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4/26/2004

*Rebecca A. Baumann*

Signature: Rebecca A. Baumann

**PATENT**

**Attorney Docket No. AMK-AB0975-2C**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application	)	<u>PATENT APPLICATION</u>
	)	
Inventor(s): Won Sun Shin et al.	)	
	)	Art Unit: unknown
Application No.: 10/803,333	)	
	)	Examiner: unknown
Filed: 3/17/2004	)	
	)	
Title STACKABLE SEMICONDUCTOR PACKAGE	)	
HAVING SEMICONDUCTOR CHIP WITHIN	)	
CENTRAL THROUGH HOLE OF SUBSTRATE	)	
	)	

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on an attached Form PTO-1449 is information known to applicant(s). Any listed Foreign references are enclosed.

Please note that, in commonly-assigned co-pending application serial no. 10/785,528, claims are being pursued that are similar to, but assertedly patentably distinct from, the claims of the present application. The former application, and a preliminary amendment related thereto, are enclosed with this IDS.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If form PTO-1449 is enclosed, the Examiner is requested to initial and return it in accordance with MPEP § 609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56.

This statement qualifies under 37 C.F.R. § 1.97, subsection (b) because (check all that apply):

(1) It is being filed within 3 months of the application filing date and is other than a continued prosecution application under § 1.53(d)  
-- OR --

(2) It is being filed within 3 months of entry of a national stage  
-- OR --

(3) It is being filed before the mail date of the first Office Action on the merits.  
-- OR --

(4) It is being filed before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114

37 C.F.R. § 1.97(c). If this statement is being filed after the period specified in § 1.97(b), but before the mailing date of the earlier of a final office action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application, then:

a certification as specified in § 1.97(e) is provided below; or

a fee of \$180.00 as set forth in § 1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

37 C.F.R. § 1.97(d). If this statement is being filed after the period specified in § 1.97(c), but on or before payment of the issue fee, then:

A. a certification as specified in § 1.97(e) is completed below; **and**

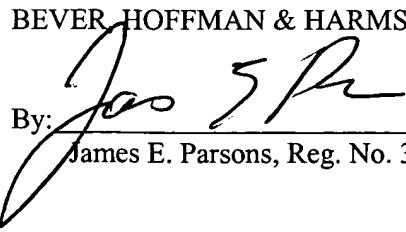
B. a fee of \$180.00 as set forth in § 1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.

*Fee Authorization.* The Commissioner is hereby authorized to charge any additional fees or credit any overpayment associated with this communication to Deposit Account No. 50-0574 (Docket No. AMK-AB0975-2C).

Respectfully submitted,

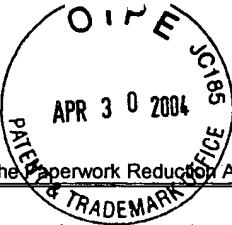
BEVER, HOFFMAN & HARMS, LLP

By:

  
James E. Parsons, Reg. No. 34,691

Dated: 4/26/04

Telephone: (408) 451-5906  
Customer No. 22888



Substitute for form 1449A/PTO				Application Number	10/803,333
				Filing Date	3/17/2004
				First Named Inventor:	Won Sun Shin
				Examiner: unknown	GROUP: unknown
Sheet	1	of	13	Attorney Docket Number	AMK-AB0975-2C

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cited No. <sup>1</sup>	Document Number Number - Kind Code <sup>2(if known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	A001	US-3,851,221	11/1974	Beaulieu et al.	
	A002	US-4,398,235	08/1983	Lutz et al.	
	A003	US-4,530,152	07/1985	Roche et al.	
	A004	US-4,567,643	02/1986	Droguet et al.	
	A005	US-4,707,724	11/1987	Suzuki et al.	
	A006	US-4,729,061	03/1988	Brown	
	A007	US-4,730,232	03/1988	Lindberg	
	A008	US-4,756,080	07/1988	Thorp, Jr. et al.	
	A009	US-4,763,188	08/1988	Johnson	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5(if known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>
	A010	JP 62-126661	06/1987			
	A011	JP 4-56262	02/1992			
	A012	JP 63-244654	10/1988			
	A013	JP 5136323	06/1993			
	A014	JP 5109975	04/1993			

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER SIGNATURE:	DATE CONSIDERED:
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2. \*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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	A015	US-4,982,265	01/1991	Watanabe et al.	
	A016	US-4,996,587	02/1991	Hinrichsmeyer et al.	
	A017	US-5,012,323	04/1991	Farnworth	
	A018	US-5,025,306	06/1991	Johnson et al.	
	A019	US-5,040,052	08/1991	McDavid	
	A020	US-5,138,438	08/1992	Masayuki et al.	
	A021	US-5,140,404	08/1992	Fogal et al.	

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	A022	JP 61117858	06/1986			
	A023	JP 4028260	01/1992			
	A024	JP 4116859	04/1992			
	A025	JP 4096358	03/1992			
	A026	JP 5013665	01/1993			

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	A027	US-5,157,480	10/1992	McShane et al.	
	A028	US-5,165,067	11/1992	Wakefield et al.	
	A029	US-5,198,888	03/1993	Sugano et al.	
	A030	US-5,200,362	04/1993	Lin et al.	
	A031	US-5,229,647	07/1993	Gnadinger	
	A032	US-5,241,133	08/1993	Mullen, III et al.	
	A033	US-5,273,938	12/1993	Lin et al.	
	A034	US-5,291,061	03/1994	Ball	

**FOREIGN PATENT DOCUMENTS**

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	A035	JP 4-368154	12/1992			
	A036	JP 54-128274	04/1979			
	A037	JP 1028856	01/1989			
	A038	JP 1099248	04/1989			
	A039	JP 60182731	09/1985			

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<p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(Use as many sheets as necessary)</i></p>			Application Number		10/803,333	
			Filing Date		3/17/2004	
			First Named Inventor:		Won Sun Shin	
			Examiner: unknown		GROUP: unknown	
Sheet	4	of	13	Attorney Docket Number	AMK-AB0975-2C	
<b>U.S. PATENT DOCUMENTS</b>						
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	A040	US-5,323,060	06/1994	Fogal et al.		
	A041	US-5,334,875	08/1994	Sugano et al.		
	A042	US-5,347,429	09/1994	Kohno et al.		
	A043	US-5,394,010	02/1995	Tazawa et al.		
	A044	US-5,422,435	06/1995	Takiar et al.		
	A045	US-5,426,563	06/1995	Moresco et al.		
	A046	US-5,432,729	07/1995	Carson et al.		
	A047	US-5,438,224	08/1995	Papageorge et al.		
	A048	US-5,463,253	10/1995	Waki et al.		
<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5(if known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>
	A049	JP 56062351	05/1981			
	A050	JP 3169062	07/1991			
	A051	JP 10-256470	09/1998			
	A052	JP 1071162	03/1989			
	A053	JP 5-75015	03/1993			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
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	A054	US-5,473,196	12/1995	De Givry	
	A055	US-5,474,957	12/1995	Urushima	
	A056	US-5,474,958	12/1995	Djennas et al.	
	A057	US-5,491,612	02/1996	Nicewarner, Jr.	
	A058	US-5,495,394	02/1996	Kornfeld et al.	
	A059	US-5,495,398	02/1996	Takiar et al.	
	A060	US-5,502,289	03/1996	Takiar et al.	
	A061	US-5,514,907	05/1996	Moshayedi	
	A062	US-5,569,625	10/1996	Yoneda et al.	

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		Cntry Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>5(if known)</sup>				
	A063	JP	4-368167	12/1992			
	A064	JP	5-283601	10/1993			
	A065	EP	0 503 201	A2	12/1991		
	A066	JP	64-1269		01/1989		
	A067	JP	61059862		03/1986		

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	A068	US-5,581,498	12/1996	Ludwig et al.		
	A069	US-5,587,341	12/1996	Masayuki et al.		
	A070	US-5,594,275	01/1997	Kwon et al.		
	A071	US-5,604,376	02/1997	Hamburgen et al.		
	A072	US-5,614,766	03/1997	Takasu et al.		
	A073	US-5,620,928	04/1997	Lee et al.		
	A074	US-5,625,221	04/1997	Kim et al.		
	A075	US-5,637,536	06/1997	Val		
	A076	US-5,637,912	06/1997	Cockerill et al.		
	A077	US-5,646,828	07/1997	Degani et al.		
	A078	US-5,650,593	07/1997	McMillan et al.		
<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>
	A079	JP 62119952	06/1987			
	A080	JP 62142341	06/1987			
	A081	JP 63211663	09/1988			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>						
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Substitute for form 1449A/PTO				Application Number	10/803,333
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				First Named Inventor:	Won Sun Shin
				Examiner: unknown	GROUP: unknown
Sheet	7	of	13	Attorney Docket Number	AMK-AB0975-2C

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	A082	US-5,668,405	09/1997	Yamashita	
	A083	US-5,677,569	10/1997	Choi et al.	
	A084	US-5,682,062	10/1997	Gaul	
	A085	US-5,689,135	11/1997	Ball	
	A086	US-5,696,031	12/1997	Wark	
	A087	US-5,696,666	12/1997	Miles et al.	
	A088	US-5,715,147	02/1998	Nagano	
	A089	US-5,721,452	02/1998	Fogal et al.	
	A090	US-5,729,051	03/1998	Nakamura	
	A091	US-5,739,581	04/1998	Chillara et al.	
	A092	US-5,744,827	04/1998	Jeong et al.	
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	A095	JP 63128736	06/1988			

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	A096	US-5,767,528	06/1998	Sumi et al.	
	A097	US-5,777,387	07/1998	Yamashita et al.	
	A098	US-5,783,870	07/1998	Mostafazadeh et al.	
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	A102	US-5,801,439	09/1998	Fujisawa et al.	
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	A104	US-5,835,355	11/1998	Dordi	
	A105	US-5,835,988	11/1998	Ishii	
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	A108	US-5,866,949	02/1999	Schueller	
	A109	US-5,872,025	02/1999	Cronin et al.	
	A110	US-5,883,426	03/1999	Tokuno et al.	
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	A113	US-5,894,108	04/1999	Mostafazadeh et al.	
	A114	US-5,903,052	05/1999	Chen et al.	
	A115	US-5,917,242	06/1999	Ball	
	A116	US-5,952,611	09/1999	Eng et al.	
	A117	US-5,973,403	10/1999	Wark	
	A118	US-5,977,640	11/1999	Bertin et al.	
	A119	US-5,986,209	11/1999	Tandy	

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<p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(Use as many sheets as necessary)</i></p>				Application Number	10/803,333
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	A120	US-6,001,671	12/1999	Fjelstad	
	A121	US-6,005,778	12/1999	Spielberger et al.	
	A122	US-6,013,948	01/2000	Akram et al.	
	A123	US-Re. 36,613	03/2000	Ball	
	A124	US-6,034,423	03/2000	Mostafazadeh et al.	
	A125	US-6,034,427	03/2000	Lan et al.	
	A126	US-6,051,886	04/2000	Fogal et al.	
	A127	US-6,057,598	05/2000	Payne et al.	
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	A137	US-6,160,705	12/2000	Stearns et al.	
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	A145	US-6,313,522	B1	11/2001	Akram et al.
	A146	US-6,326,696	B1	12/2001	Horton et al.
	A147	US-6,395,578	B1	05/2002	Shin et al.
	A148	US-6,396,143	B1	05/2002	Kimbara et al.
	A149	US-6,399,418	B1	06/2002	Glenn et al.
	A150	US-6,404,046	B1	06/2002	Glenn et al.
	A151	US-6,448,506	B1	09/2002	Glenn et al.
	A152	US-6,452,278	B1	09/2002	DiCaprio et al.

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<p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(Use as many sheets as necessary)</i></p>				Application Number	10/803,333
				Filing Date	3/17/2004
				First Named Inventor:	Won Sun Shin
				Examiner: unknown	GROUP: unknown
Sheet	13	of	13	Attorney Docket Number	AMK-AB0975-2C

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cited No. <sup>1</sup>	Document Number Number - Kind Code <sup>2(if known)</sup>		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	A153	US-6,459,148		10/2002	Chun-Jen et al.	
	A154	US-6,486,537		11/2002	Liebhard	
	A155	US-6,501,184		12/2002	Shin et al.	
	A156	US-6,515,356		02/2003	Shin et al.	
	A157	US-6,564,454		05/2003	Glenn et al.	
	A158	US-6,577,013		06/2003	Glenn et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Cntry Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear	T <sup>6</sup>
	A159	KR	1999-0065599		08/1999		
	A160	KR	1999-0080278		11/1999		

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

U.S. Patent Application serial no. 10/785,528 and Preliminary Amendment thereto dated 02/24/2004.
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